

CHUSKA ENERGY COMPANY

3315 BLOOMFIELD HIGHWAY • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525

30 May, 1991

State of Utah Department of Natural Resources
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Building, Suite 350
Salt Lake City, Utah 84180-1203

Ref: Application for Permit to Drill
Crane 35-H Well, San Juan County, Utah

Gentlemen

Attached for your examination and approval is the original and two copies of an Application for Permit to Drill the Crane Well No. 35-H in San Juan County, Utah. This well will be drilled as part of an ongoing exploration and development program.

The location for this well falls outside the guidelines for the State of Utah spacing requirements. However, the well has been located in a position which will allow the well bore to penetrate geological structures which have been identified by seismic interpretation. We therefore apply for an exception to the General State Spacing requirements. Chuska Energy controls the acreage surrounding the proposed site, as indicated on the attached land plat.

Please advise if you require additional information concerning this application. Chuska Energy will greatly appreciate your prompt consideration.

Sincerely,


Larry G. Sessions
Operations Manager

LGS/csw
File: C:\WP51\CRANE.35H\APDCOVER

encl.

RECEIVED

JUN 03 1991

DIVISION OF
OIL GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐

GAS
WELL ☐

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Chuska Energy Company

3. ADDRESS OF OPERATOR

3315 Bloomfield Highway, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At Surface

2635' FNL, 1150' FEL

At proposed prod. zone

Same

SENE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

3 3/4 miles ESE of Aneth, Utah

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST*
PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any) 1150'

16. NO. OF ACRES IN LEASE

49,997

17. NO. OF ACRES ASSIGNED
TO THIS WELL

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1100'

19. PROPOSED DEPTH

5714 KB Akah

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4,651' GR

22. APPROX. DATE WORK WILL START*

10-25-91

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24 lb	500'	371 sx 'G' + 2% CaCl ₂
7 7/8"	5 1/2"	15.5 lb	5,714'	194 sx 'G' + 3% CaCl ₂ + 3% GEL

Refer to attached 10-Point Drilling Plan etc.

RECEIVED

JUN 03 1991

DIVISION OF
OIL GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Christopher S. Hill

TITLE Operations Engineer

DATE 30 May, 1991

(This space for Federal or State office use)

PERMIT NO.

43-037-316006

APPROVAL DATE

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

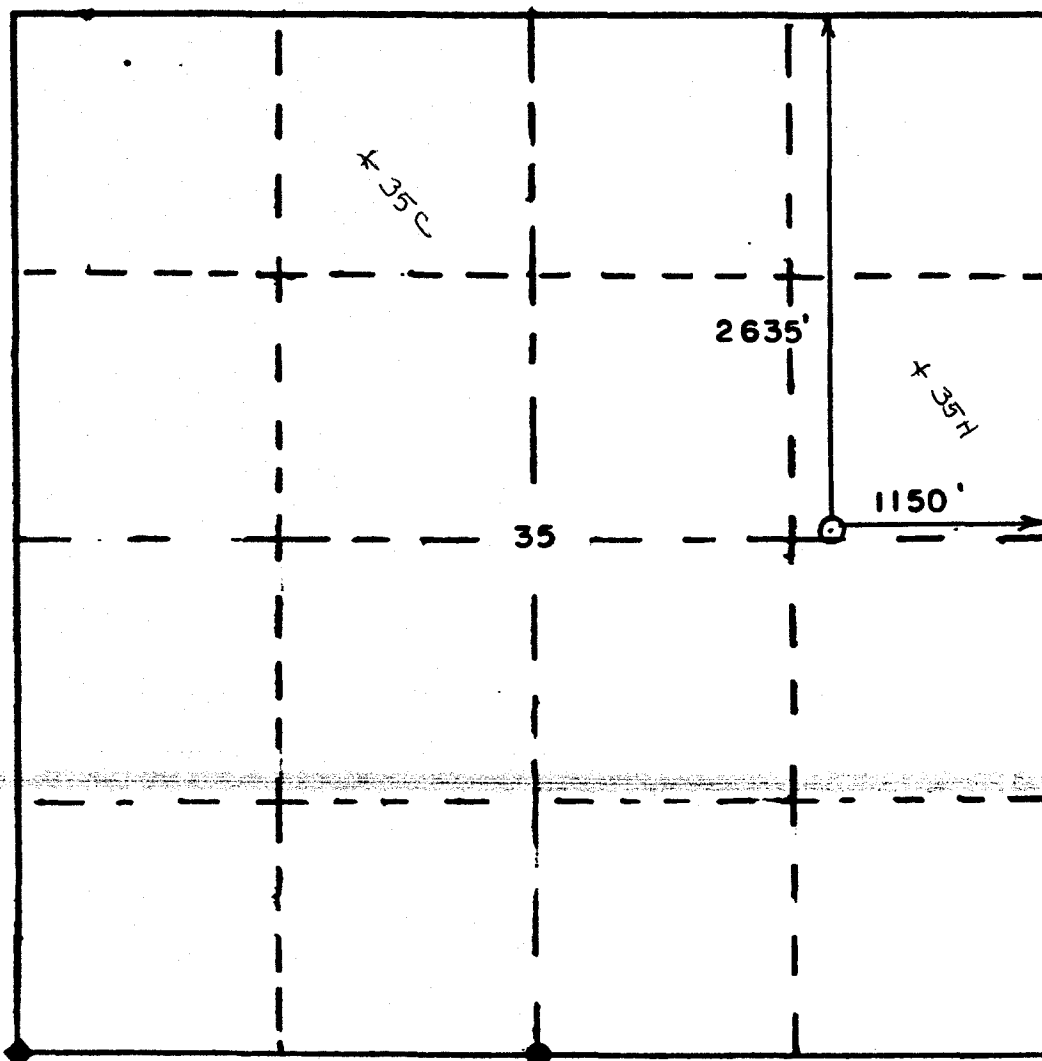
DATE: 6-10-91

BY: J. M. Mathews

*(See Instructions On Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to send to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

WELL LOCATION PLAT



North
1" = 1000'
◆ brass cap
● stone

WELL LOCATION DESCRIPTION:

CHUSKA ENERGY CO., Crane 35 - H
2635'FNL & 1150'FEL
Section 35, T.41 S., R.25 E., SLM
San Juan County, UT
4651' ground elevation

State plane coordinates from seismic control:

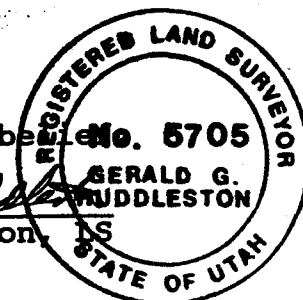
X = 2,688,341 Y = 195,163

SP 686 line 400-19

The above is true and correct to my knowledge and belief

22 May 1991

Gerald G. Huddleston
Gerald G. Huddleston



CHUSKA ENERGY COMPANY

10 POINT DRILLING PLAN

Crane Well No. 35-H
Section 35, Township 41S, Range 25E
2635' FNL, 1150' FEL
San Juan County, Utah

1. SURFACE FORMATION

Geological name of surface formation: Morrison

2. ELEVATION

Surface elevation is 4,651' GR.

3. ESTIMATED FORMATION TOPS

<u>Depth</u>	<u>Formation</u>	<u>Sub Sea Elevation</u>
Surface	Morrison	+ 4,664'
735'	Navajo	+ 3,929'
1,485'	Chinle	+ 3,179'
2,625'	DeChelly	+ 2,039'
2,775'	Organ Rock	+ 1,889'
3,400'	Cedar Mesa	+ 1,264'
4,472'	Hermosa	+ 192'
5,319'	Upper Ismay	- 655'
5,424'	Lower Ismay	- 760'
5,472'	Desert Creek	- 808'
5,653'	Akah	- 989'
5,714'	Total Depth	- 1,050'

4. PROPOSED CASING/CEMENTING PROGRAM

	<u>Depth</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Coupling</u>
Surface	500'	8 5/8"	24 lb	K-55	STC
Production:	5,714'	5 1/2"	15.5 lb	K-55	STC

Surface Cementing:

371 sx (427 ft³) Class 'G' cement with 2% CaCl₂ and 1/4 lb/sk Celloflake. Weight = 15.8 ppg, yield = 1.15 ft³/sk. Slurry volume calculated at 100% excess over annular volume.

Production Cementing:

First Stage

T.D. to 3,500' (stage collar @ \pm 3,500'). Lead with 161 sx Class 'G' cement, 65:35 Pozmix, with 6% gel and 1/4 lb/sk Celloflake. Weight = 12.7 ppg, yield = 1.85 ft³/sk. Tail with 178 sx Class 'G' cement with 2% CaCl₂. Weight = 15.8 ppg, yield = 1.15 ft³/sk. Total of 502 ft³. Bring Class 'G' slurry to 500' above top of Upper Ismay. Cement volumes calculated at 30% excess in open hole. WOC 4 hours between stages.

Second Stage

3,500' to surface. Lead with 355 sx Class 'G' cement, 65:35 Pozmix with 6% gel and 1/4 lb/sk Celloflake. Weight = 12.7 ppg, yield = 1.85 ft³/sk. Tail with 100 sx Class 'G' cement with 2% CaCl₂. Weight = 15.8 ppg, yield = 1.15 ft³/sk. Total of 772 ft³. Cement volumes calculated at 30% excess in open hole.

Note: Exact slurry volumes for the production string will be adjusted according to the caliper log which will be run prior to cementing. Special adjustments may be necessary if significant amounts of salt are drilled.

5. BLOWOUT PREVENTER (See attached schematics)

As abnormal pressure is not anticipated, a 2,000 psi BOP system would be sufficient for the drilling of this well. However, due to availability constraints, a 3,000 psi system will be used, as per the attached Exhibits "A" and "B". This will be a 10" x 900 Series double ram preventer, equipped with a set of pipe and blind rams.

An accumulator system, with a pressure capacity sufficient to operate the rams three complete cycles without rig power, will be required as part of the rig equipment.

6. PROPOSED MUD PROGRAM

Surface to 3,000'

Fresh water, gel, lime and native solids. Weight 8.3 - 8.7 ppg. Gel/lime sweeps as necessary for hole cleaning.

3,000' to T.D.

Low solids, non-dispersed polymer system. Weight 8.6 - 9.5 ppg. Gel/lime sweeps as hole conditions dictate for hole cleaning. Fluid loss to be maintained at 15 - 20 cc. Fluid loss to be further reduced to 15 cc or less prior to coring, logging or DSTs.

7. AUXILIARY EQUIPMENT

- A. A kelly cock will be installed during drilling operations, with handle available on the rig floor.
- B. Floor (stabbing) valves will be available, on the rig floor at all times, with necessary subs to fit all of the drilling assemblies.
- C. Mud will be the circulating fluid. No abnormal formation pressures are expected.

8. WELL EVALUATION

Open hole electric logging program will consist of a minimum program of DLL-MSFL-SP-GR-Cal, FDC-CNL-GR-Lithodensity from T.D. to 4,500'.

Coring and/or drill stem testing will be as per the wellsite geologist's recommendations, based on shows. A mud logging unit will be utilized during drilling operations from at least 500' above the Upper Ismay.

9. ABNORMAL PRESSURES/GAS

Abnormal pressures are not anticipated. Monitoring of gas and hydrocarbon shows will be by wellsite mud logging unit. H₂S gas is not anticipated, however regular checks will be made while drilling the well.

10. TIMING

The drilling and evaluation of this well is estimated to be 17 days. Anticipated spud date is 10-25-91.

EXHIBIT "A"

BLOWOUT PREVENTER

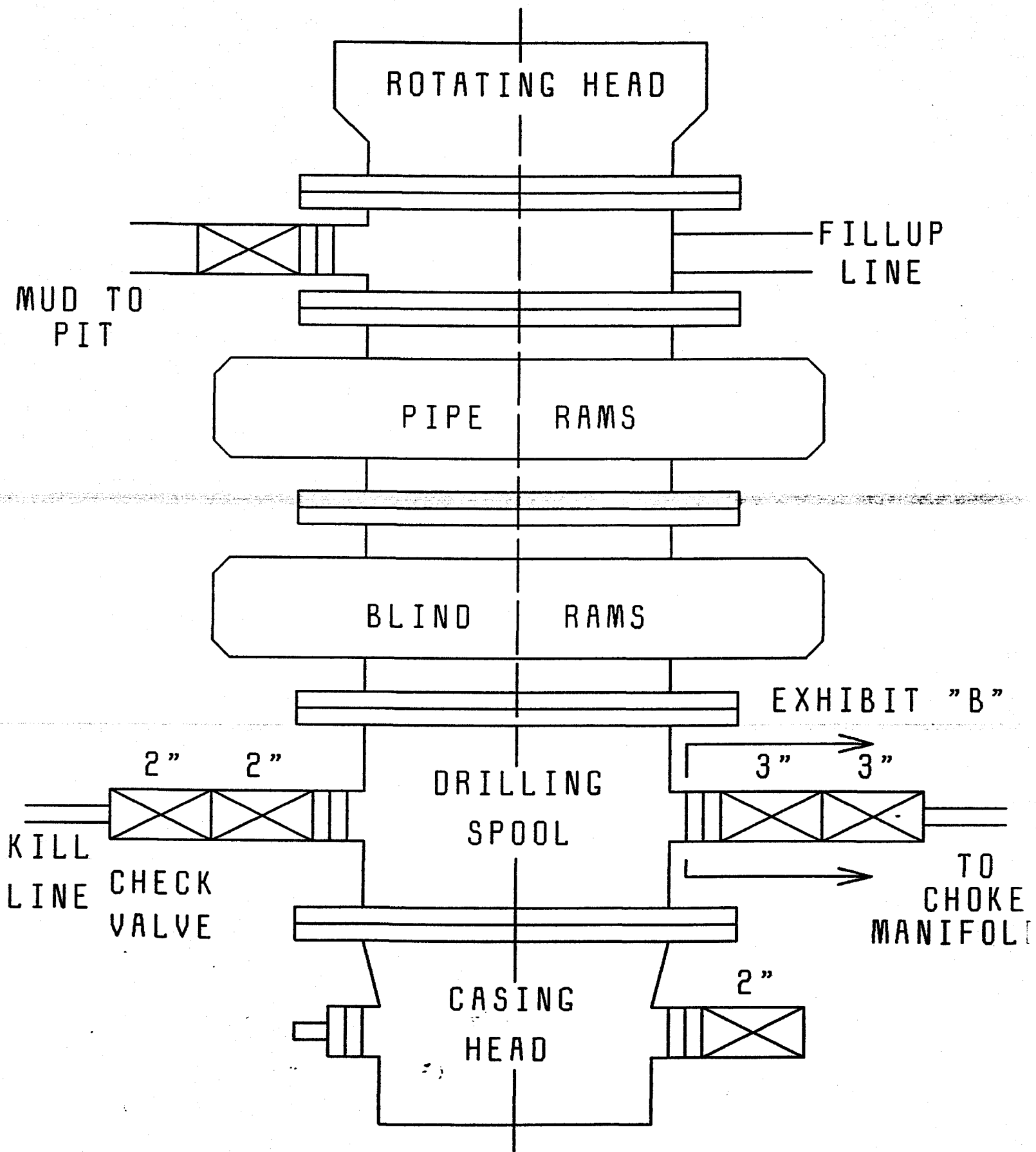
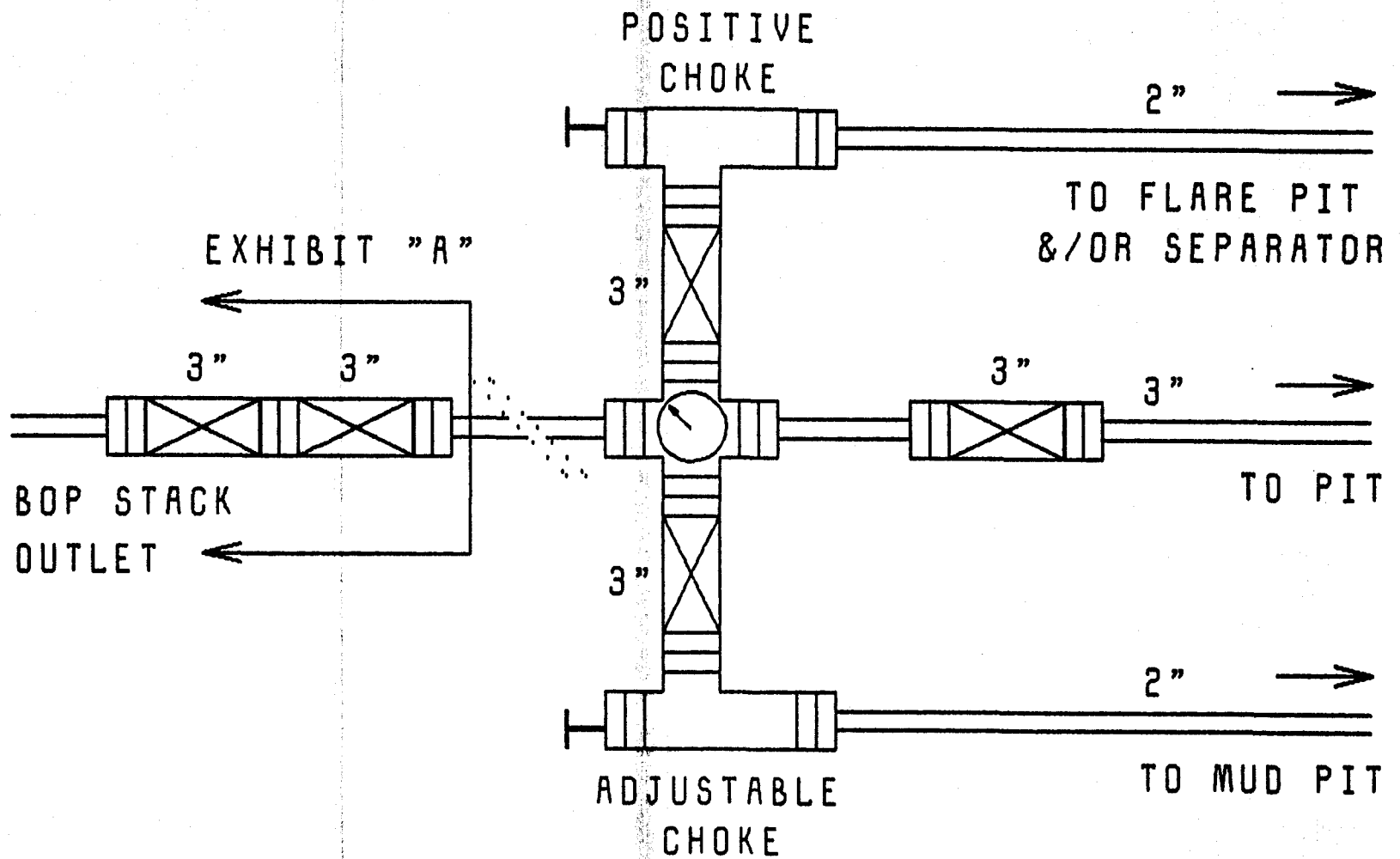


EXHIBIT "B"
CHOKE MANIFOLD



DETAILED DRILLING PROGRAM

DATE: 29 May, 1991

WELL NAME: Crane WELL NO.: 35-H

LOCATION: Section 35, Township 41S, Range 25E
2635' FNL, 1150' FEL
San Juan County, Utah

ELEVATION: 4,651' GR

TOTAL DEPTH: 5,714' KB

PROJECTED HORIZON: Primary target is Desert Creek at 5,472'.
Secondary target is Lower Ismay at 5,424'.

DRILLING, CASING AND CEMENTING PROGRAM

1. Move in and rig up rotary tools. Notify BLM of time of spud and intent to run surface casing.
2. Drill mouse hole and rat hole. Mix mud prior to spudding well.
3. Drill 12 1/4" hole to \pm 500'. Use fresh water gel/lime spud mud for drilling surface hole. Well bore inclination is not to exceed 1° at 500'. Deviation surveys will be run at least at 250' and at casing point.
4. Run 8 5/8", 24 lb/ft, K-55, STC casing to T.D. Cement with 371 sx (427 ft³) of Class 'G' cement with 2% CaCl₂ and 1/4 lb/sk Celloflake (sufficient slurry volume to circulate cement to surface).
5. W.O.C. a minimum of 4 hours prior to nipping up BOP stack and related equipment. See BOP schematics for details.
6. Ensure that plug has been down at least 8 hours prior to commencing pressure testing procedures. Pressure test BOP to 2,000 psig for 30 minutes. Pressure test manifold and all related equipment to 2,000 psig. Pressure test casing to 1,500 psig for 30 min.
7. Drill out surface casing with 7 7/8" bit. Drill 7 7/8" hole to T.D. Deviation surveys are to be taken every 500' or on a bit trip, whichever occurs first. Maximum allowable deviation will be 5° at T.D., with the maximum allowable rate of change to be 1°/100'.
8. Run open hole logs and evaluate. Coring and/or drill stem testing will be as per wellsite geologist's recommendation.

9. If the well is determined to be productive, run 5 1/2", 15.5 lb/ft, K-55, STC casing to T.D. Set stage cementing collar at \pm 3,500'. In addition to placing centralizers over potential production zones, they will also be run to cover the aquifer sands of the Navajo and DeChelly formations, as per BLM stipulations. Cement production casing in two stages as per cementing program in 10-point Drilling Plan.
10. Nipple down BOPE. Set 5 1/2" casing slips and cut off casing. Install well head. Release drilling rig and move rig off location.
11. If well is non-productive it will be plugged and abandoned as per State, BLM and Navajo Tribal stipulations.

Crane Well No. 35-H
Section 35, Township 41S, Range 25E
2635' FNL, 1150' FEL
San Juan County, Utah

GENERAL COMPLETION PROCEDURE

If the well is determined to be productive, move in completion rig. Perforate, acidize, and test each productive porosity zone. Completion work will commence after Sundry Notice approval is received. Detailed procedures will follow.

PLUGGING AND ABANDONMENT

If the well is determined not to be productive, the well bore will be plugged as per BLM, State and Navajo Tribal requirements.

Crane Well No. 35-H
Section 35, Township 41S, Range 25E
2635' FNL, 1150' FEL
San Juan County, Utah

SURFACE USE PLAN

1. EXISTING ROADS

Shown on the attached topographic map are the existing roads in the immediate area. Outlined is the route to be followed from Aneth. Existing roads will be maintained, as necessary, while operations are in progress.

2. PLANNED ACCESS ROAD

The access road will be as shown on the attached topographic map. The road will be flat bladed, constructed 14' in width and will be maintained as necessary to prevent excessive damage to the existing terrain. The road will be upgraded if commercial production is established. It is anticipated that approximately 1,200' of new road will need to be constructed to the location pad.

3. LOCATION OF EXISTING WELLS & TANK BATTERIES

There are no other producing wells or facilities in the immediate area.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

No production facilities are presently in place. Should the well prove to be productive, facilities (tank battery etc) will be sited on the drilling location pad.

5. LOCATION & TYPE OF WATER SUPPLY

Water will be acquired from the San Juan River or McElmo Creek and will be hauled using Chuska Energy Company water trucks, under State of Utah Division of Water Rights Permit Numbers 09-1724, (T64796) or 09-1723 (T64795).

6. SOURCE OF CONSTRUCTION MATERIALS

The need for additional construction materials is not anticipated. In the event that additional materials are required, they will be acquired either from private sources or with the approval of the Navajo Nation.

7. METHODS OF HANDLING WASTE MATERIAL

Trash will be contained on location in an enclosed bin. It will be hauled to an approved disposal site or burned on location if a burning permit is granted. The reserve pit will be lined as required, with an approved 7 mil liner, for containing drilling fluids. The pit will also be fenced. All drilling fluids, cuttings and chemical waste will be stored in the reserve pit. Liquid hydrocarbons will be stored in temporary storage tanks and hauled from location to approved sales facilities. The reserve pit will be emptied, back filled and restored to natural terrain status upon completion of drilling operations.

8. ANCILLARY FACILITIES

Chemical portable toilet facilities will be provided on location during drilling and completion operations. No camps or air strips are planned for this well.

9. WELL SITE LAYOUT

Attached is a surveyor's staking plat, cut and fill diagram and a schematic of the proposed rig layout.

10. PLANS FOR RESTORATION OF THE SURFACE

The location is laid out on a north east/south west trend and will require up to 42' of cut in the eastern corner of the location pad and up to 10' of fill in the western corner of the location pad. Top soil removed from the pad will be stored at the well site. A reserve pit will be built on terrain containing sparse native vegetation. After drilling operations are complete, drilling fluid in the reserve pit will be allowed to evaporate. All remaining fluid in the pit will be disposed of into an approved disposal site. The reserve pit will remain fenced during the evaporation and disposal process. The pit will then be covered and the topsoil will be returned to the disturbed area. The terrain will be returned as near to its original condition as possible. Following operations, rehabilitation seeding will be in accordance with APD/BLM/BIA stipulations. There are no residents in the immediate area of the site.

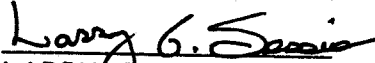
11.

OPERATORS REPRESENTATIVE

CHUSKA ENERGY COMPANY
3315 BLOOMFIELD HIGHWAY
FARMINGTON, NEW MEXICO 87401
LARRY G. SESSIONS

12. CERTIFICATION

I hereby certify that either I, or persons under my direct supervision have inspected the proposed drill site and access route: that I am familiar with the conditions which presently exist: that the statements made in this plan are, to the best of my knowledge, true and correct and that the work planned will be performed by Chuska Energy, or its sub-contractors, in conformity with the terms and conditions under which it is approved.


LARRY G. SESSIONS
Operations Manager

CHUSKA ENERGY COMPANY

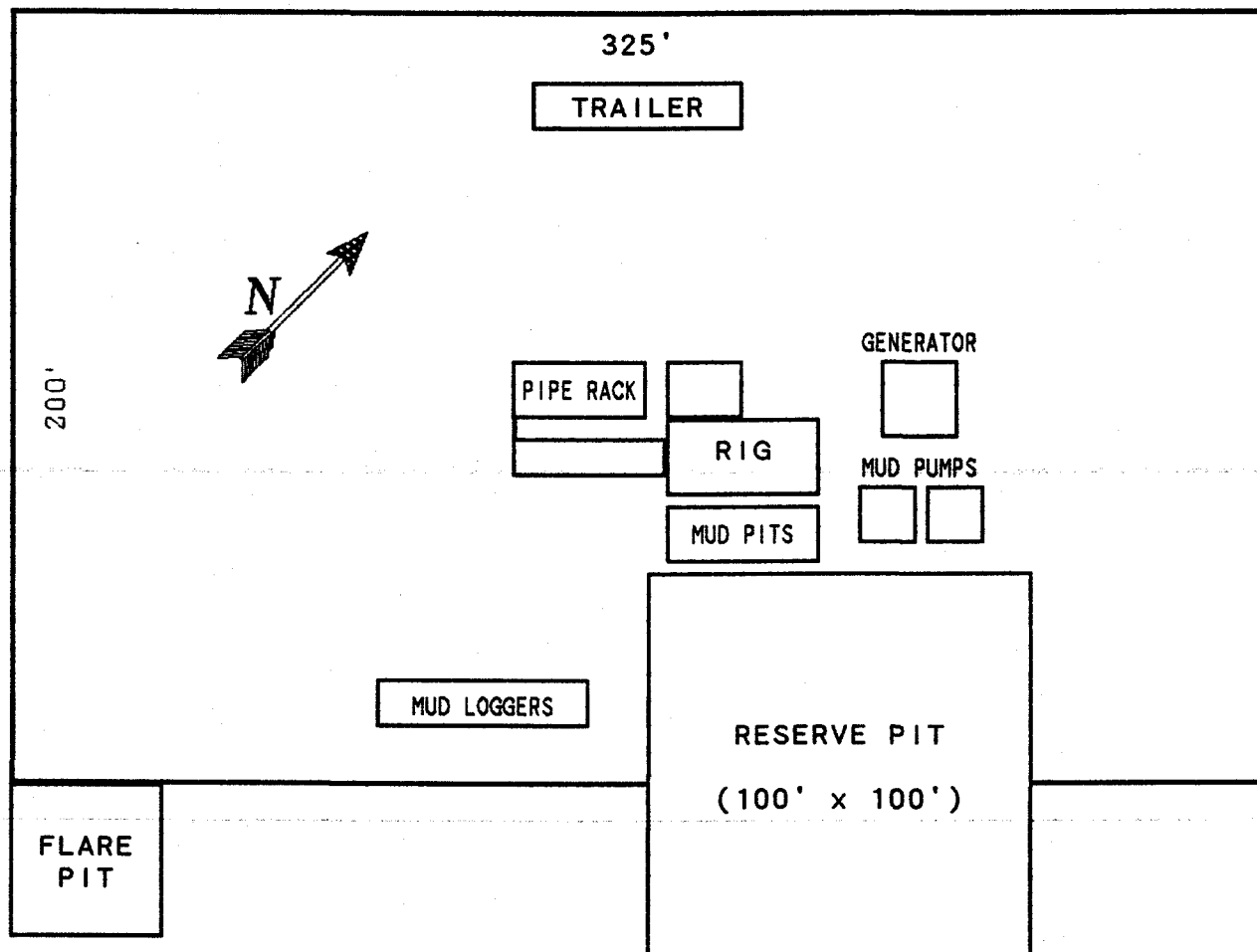
LOCATION LAYOUT

CRANE 35-H

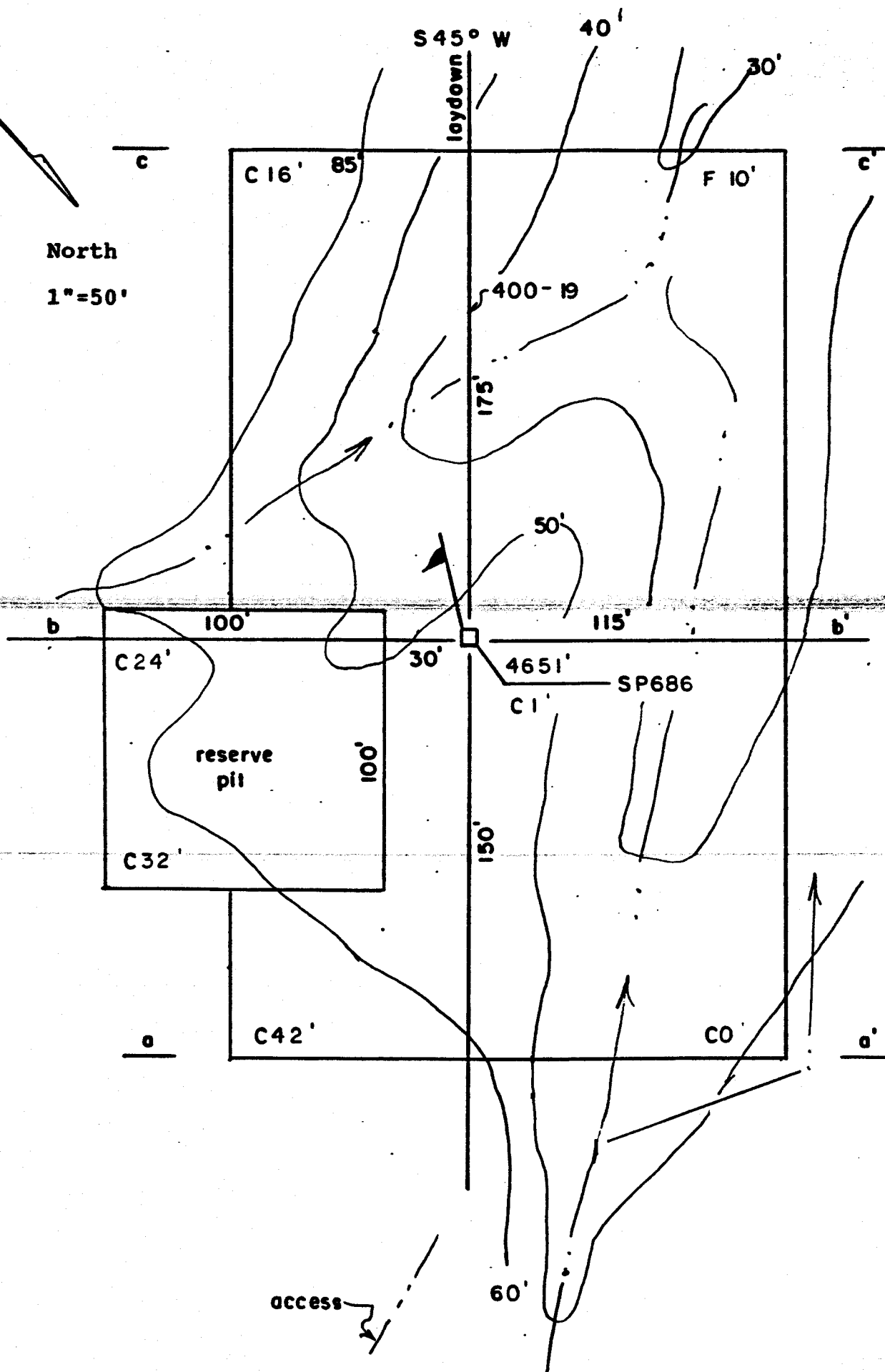
2635' FNL, 1150' FEL

SECTION 35, TOWNSHIP 41S, RANGE 25E

SAN JUAN COUNTY, UTAH



Crane 35 - H

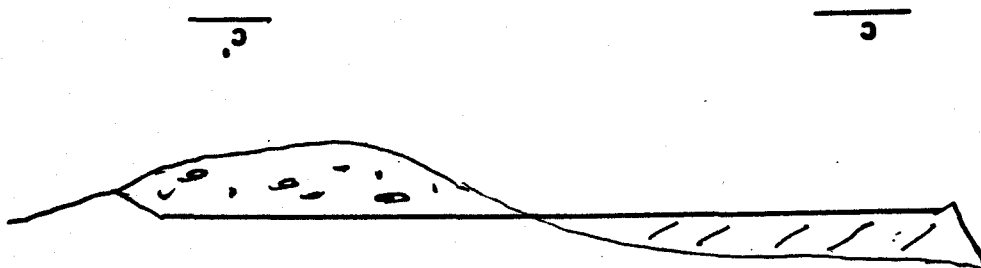


Cut // // //
Fill 2:2

1"=50' vert. & horz.

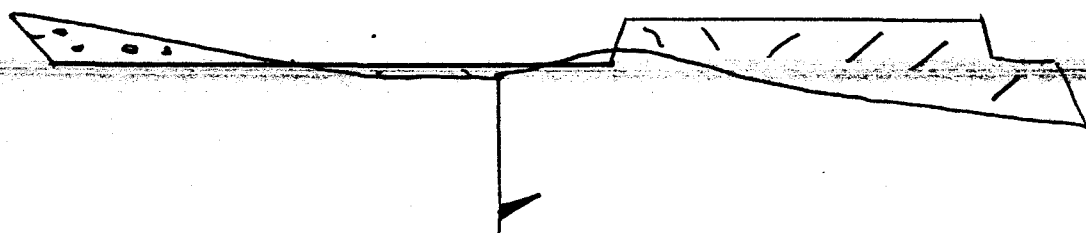
CROSS SECTION

Crane 35 - H



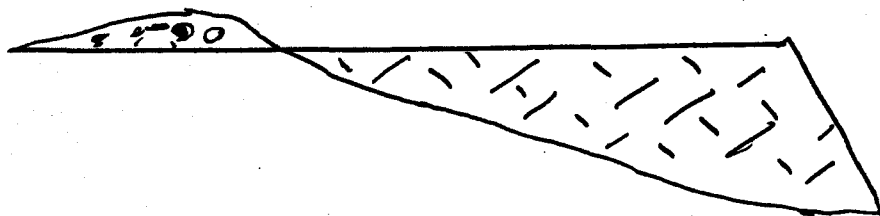
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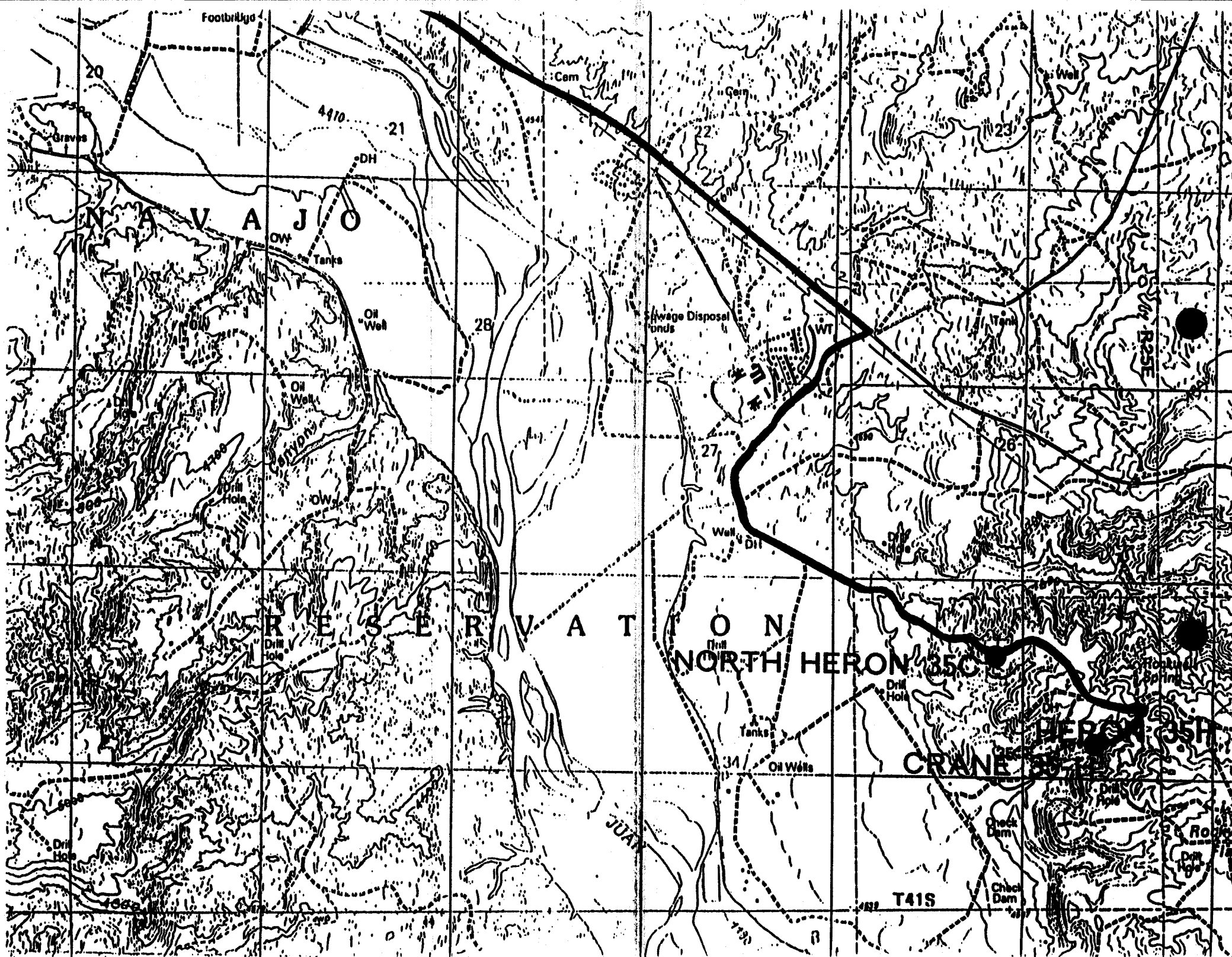
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OPERATOR Chuska Energy Co N-9090

WELL NAME Crane 35-H

DATE 11/1/91
CONFIDENTIAL

SEC SENE 35 T 41S R 05E COUNTY San Juan

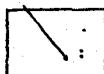
43-037-31600

API NUMBER

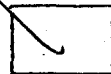
Indian (a)

TYPE OF LEASE

CHECK OFF:



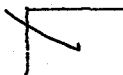
PLAT.



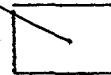
BOND



NEAREST
WELL



LEASE



FIELD
SLBM



POTASH OR
OIL SHALE

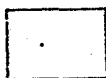
PROCESSING COMMENTS:

Two wells in Sec. 35 of above township - Range.
Water Permit 09-17024 (T64796) 09-17023 (T64795)

Exception location requested

APPROVAL LETTER:

SPACING:



R615-2-3

N/A

UNIT



R615-3-2



N/A

CAUSE NO. & DATE



R615-3-3

STIPULATIONS:

CONFIDENTIAL
PERIOD
EXPIRED
ON 12-19-92

02184

1860FNL
376 FEL



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

June 10, 1991

Chuska Energy Company
3315 Bloomfield Highway
Farmington, New Mexico 87401

Gentlemen:

Re: Crane 35-H Well, 2635 feet from the North line, 1150 feet from the East line,
SE NE, Section 35, Township 41 South, Range 25 East, San Juan County, Utah

Approval to drill the referenced well is hereby granted in accordance with Utah Admin. R.615-3-3.

In addition, the following actions are necessary to fully comply with this approval:

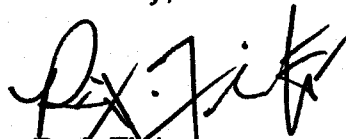
1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of Entity Action Form 6, within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
3. Submittal of the Report of Water Encountered During Drilling, Form 7.
4. Prompt notification in the event it is necessary to plug and abandon the well. Notify R. J. Firth, Associate Director, (Office) (801) 538-5340, (Home) 571-6068, or J. L. Thompson, Lead Inspector, (Home) 298-9318.
5. Compliance with the requirements of Utah Admin. R.615-3-20, Gas Flaring or Venting.

Page 2
Chuska Energy Company
Crane 35-H
June 10, 1991

6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of Drinking Water/Sanitation, telephone (801) 538-6159.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31626.

Sincerely,



R. A. Firth
Associate Director, Oil & Gas

tas
Enclosures
cc: Bureau of Land Management
Bureau of Indian Affairs
J. L. Thompson
we14/1-6

DIVISION OF OIL, GAS AND MINING

API NO. 43-037-31626

SPUDDING INFORMATION

NAME OF COMPANY: CHUSKA ENERGY COMPANY

WELL NAME: CRANE 35H

SECTION SENE 35 TOWNSHIP 41S RANGE 25E COUNTY SAN JUAN

DRILLING CONTRACTOR AZTEC

RIG # 222

SPUDDED: DATE 11-4-91

TIME

HOW ROTARY

CONFIDENTIAL

DRILLING WILL COMMENCE

REPORTED BY GLENN

TELEPHONE #

DATE 11-18-91

SIGNED TAS/JLT

ENTITY ACTION FORM - FORM 6

OPERATOR CHUSKA ENERGY COMPANY

OPERATOR ACCT. NO. N 9290

ADDRESS _____

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11348	43-037-31626	CRANE 35-H	SENE	35	41S	25E	SAN JUAN	11-4-91	
WELL 1 COMMENTS: INDIAN-LEASE PROP ZONE-AKAH FIELD-UNDESIGNATED *ENTITY ADDED 2-26-92. (HAVE BEEN UNABLE TO GET OPERATOR TO FILE REPORTS) UNIT-N/A											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

L. ROMERO (DOGM)

Signature

ADMINISTRATIVE ANALYST 2-26-92

Title

Date

Phone No. ()

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other <u>Dry well</u>						1. LEASE DESIGNATION AND SERIAL NO. NOG 8702-1116	
2. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input checked="" type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. REVEL. <input type="checkbox"/> Other _____						2. IF INDIAN, ALLOTTEE OR TRIBE NAME <u>Navajo Tribal</u>	
3. NAME OF OPERATOR <u>Chuska Energy Company</u>						3. UNIT AGREEMENT NAME <u>N/A</u>	
4. ADDRESS OF OPERATOR <u>3315 Bloomfield Hwy, Farmington, N.M. 87401 505-326-5525</u>						3. FARM OR LEASE NAME _____	
5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface <u>2635' FNL, 1150' FEL</u> At 100 prod. interval reported below At total depth						3. WELL NO. <u>Crane 35H-1</u>	
6. DATE SPUNDED <u>11-4-91</u>						10. FIELD AND POOL, OR WILDCAT <u>Wildcat</u>	
7. DATE T.D. REACHED <u>11-19-91</u>						11. SEC. T., R. M., OR BLOCK AND QUARTER OR AREA <u>Sec. 35, T41S, R25E</u>	
8. DATE COMPL. (Ready to prod.) <u>P&A (Plug & Abd.)</u>						12. COUNTY <u>San Juan</u>	
9. ELEVATIONS (OF. RES. ST. CR. ETC.) <u>4651 GR 4664 KB</u>						13. STATE <u>Utah</u>	
10. TOTAL DEPTH, MD & TVD <u>5684' TD</u>						14. AP# NO. <u>43-037-31626</u>	
11. PLUG BACK T.D. MD & TVD <u>N/A</u>						DATE ISSUED <u>10-24-91</u>	
12. IF MULTIPLE COMPL. HOW MANY <u>1</u>						15. COUNTY <u>San Juan</u>	
13. INTERVALS DRILLED BY <u>Rotary</u>						16. STATE <u>Utah</u>	
14. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) <u>N/A</u>						17. CABLE TOOLS <u>N/A</u>	
15. TYPE ELECTRIC AND OTHER LOGS RUN <u>BHC Sonic/Cal/Cr-TD-SFG/ CNL/FDC/GR/Cal/Lpt/D11/Mcfc/Cal/Gr</u>						18. WAS DIRECTIONAL SURVEY MADE <u>Yes</u>	
16. WAS WELL CORED YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> (See Remarks) 17. DRILL STEM TEST YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> (See Remarks)						19. WAS DIRECTIONAL SURVEY MADE <u>Yes</u>	
20. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT, LB. FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED		
9 5/8" k-55	36	507	12 1/4"	265 Sx 'G' cement & 1/4#			
				sx Celloflake & 2% CaCl ₂			
				Circulated cement to surface			
21. LINER RECORD							
SIZE	TOP (MD)	BOTTOM (MD)	PACKER CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
22. TUBING RECORD							
SIZE	TOP (MD)	BOTTOM (MD)	PACKER CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
23. PERFORATION RECORD (Interval, size and type)							
<div style="border: 2px solid black; padding: 5px; display: inline-block;"> RECEIVED SEP 10 1993 </div>				ACID, SHOT, FRACTURE CEMENT SQUEEZE, ETC.			
DATE FIRST PRODUCTION				PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)			
DATE OF TEST				WELL STATUS (Producing or shut-in)			
SOLIDS TESTED		CHOKE SIZE		PROD. N. FOR TEST PERIOD		OIL—BSL.	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		GAS—MCF.	
OIL—BSL.		GAS—MCF.		WATER—BSL.		GAS-OIL RATIO	
OIL—BSL.		GAS—MCF.		WATER—BSL.		OIL GRAB/TST-APT (CORR.)	
24. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	
25. LIST OF ATTACHMENTS							
26. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED <u>BARRY A. WIELAND</u>		TITLE <u>OPERATIONS MANAGER</u>		DATE <u>5-27-93</u>			

INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments.

ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

ITEM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instructions for items 22 and 24 above).

37. SUMMARY OF POROUS ZONES

Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut in pressures, and recoveries.

Formation	Top	Bottom	Description, contents, etc.	Name	Meas. Depth	Top True Vert. Depth

UNITED STATES

SUBMIT IN DUPLICATE

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

FEB 03 1992

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(See other instructions on reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other Dry well

2. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☒ DEEP-EN ☐ PLUG BACK ☐ DIFF. REGRV. ☐ Other _____

3. NAME OF OPERATOR
Chuska Energy Company

4. ADDRESS OF OPERATOR
3315 Bloomfield Highway, Farmington, NM 87401 505-326-5525

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 2635' FNL 1150' FEL

At top prod. interval reported below

At total depth

6. LEASE DESIGNATION AND SERIAL NO.
NOC 8702-1116

7. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo Tribal

8. UNIT AGREEMENT NAME
N/A

9. FARM OR LEASE NAME
Crane 111-1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
S35-T41S-R25E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

14. PERMIT NO. 43-037-31626 DATE ISSUED 10-24-91

15. DATE SPUDDED 11/4/91 16. DATE T.D. REACHED 11/19/91 17. DATE COMPL. (Ready to prod.) P&A 18. ELEVATIONS (DP, RKB, RT, GR, ETC.)* 4651 gr 4664 kb 19. ELEV. CASINGHEAD N/A

20. TOTAL DEPTH, MD & TVD 5684 TD 21. PLUG, BACK T.D., MD & TVD N/A 22. IF MULTIPLE COMPL., HOW MANY* → 23. INTERVALS DRILLED BY Rotary 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* N/A 25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN
BHC Sonic/Cal/Cr-TD-SFC/CNL/FDC/GR/Cal/Lpt/D11/Msfc/Cal/Gr

27. WAS WELL CORRED
Yes

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
<u>5/8 K-55</u>	<u>36</u>	<u>500</u>	<u>12 1/4</u>	<u>285 Sx 'G' cement & 1/4# sk celloflake & 2% CaCl2</u> <u>Circulated cement to surface</u>	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

SEP 10 1993

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)		
DATE OF TEST		HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
FLOW. TUBING PRESS.		CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

ACCEPTED FOR RECORD

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

JAN 30 1992

SIGNED Guy H. Chandler

TITLE Operations Guy

DATE 1-30-92
FARMINGTON RESOURCE AREA
BY Jim

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
 Use APPLICATION FOR PERMIT for such proposals.

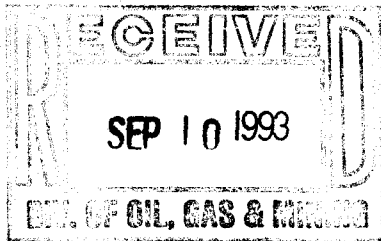
1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other (specify) <u>P & A</u>		6. Lease Designation and Serial Number NOG 8702 1116
2. Name of Operator Chuska Energy Company		7. Indian Allottee or Tribe Name Navajo Tribal
3. Address of Operator 3315 Bloomfield Highway, Farmington, N.M. 87401		8. Unit or Communitization Agreement N/A
4. Telephone Number 505-326-5525		9. Well Name and Number Crane 35 H 1
5. Location of Well Footage : 2635' FNL, 1150' FEL QQ, Sec. T., R., M. : Sec. 35, T41S, R25E		10. API Well Number 43-037-31626
		11. Field and Pool, or Wildcat Wildcat
County : San Juan State : UTAH		

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
NOTICE OF INTENT (Submit in Duplicate)		SUBSEQUENT REPORT (Submit Original Form Only)	
<input type="checkbox"/> Abandonment <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recompletion <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off	<input checked="" type="checkbox"/> Abandonment * <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Other _____	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off
Approximate Date Work Will Start _____		Date of Work Completion _____	
Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report.			

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

FINAL ABANDONMENT NOTICE.

REHAB COMPLETED ON 4-18-92.



14. I hereby certify that the foregoing is true and correct

Name & Signature *Barry A. Wieland* BARRY A. WIELAND Title OPERATIONS MANAGER Date 5-27-93
 (State Use Only)

Form 3160
(June 1990)



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other

2. Name of Operator

CHUSKA ENERGY COMPANY

3. Address and Telephone No.

3315 BLOOMFIELD HIGHWAY, FARMINGTON, NEW MEXICO 87401

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2635' FNL, 1150' FEL
S35-41S-25E

CONFIDENTIAL

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.

NOG-8702-1116

6. If Indian, Allotment or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

8. Well Name and No.

CRANE 35 H 1

9. API Well No.

43-037-31626

10. Field and Pool, or Exploratory Area

WILDCAT

11. County or Parish, State

SAN JUAN COUNTY, UTAH

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☒ Final Abandonment Notice

TYPE OF ACTION

- ☒ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

FINAL ABANDONMENT NOTICE.

REHAB COMPLETED ON 4-18-92.

ACCEPTED FOR RECORD
FARMINGTON RESOURCE AREA

JUN 10 1992

FARMINGTON, NEW MEXICO
BY *[Signature]*

RECEIVED
BLM
92 MAY 26 PM 12:48
019 FARMINGTON, N.M.

14. I hereby certify that the foregoing is true and correct

Signed

[Signature]

Title OPERATIONS MANAGER

Date 5-15-92

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

OPERATOR

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
 Use APPLICATION FOR PERMIT for such proposals.

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other (specify) <u>P & A</u>		6. Lease Designation and Serial Number NOG 8702-1116
2. Name of Operator Chuska Energy Company		7. Indian Allottee or Tribe Name Navajo Tribal
3. Address of Operator 3315 Bloomfield Highway, Farmington, N.M. 87401		8. Unit or Communitization Agreement N/A
4. Telephone Number 505-326-5525		9. Well Name and Number Crane 35H-1
5. Location of Well Footage : 2635' FNL, 1150' FEL QQ, Sec. T., R., M. : Sec. 35, T41S, R25E		10. API Well Number 43-037-31626
		11. Field and Pool, or Wildcat Wildcat
County : San Juan State : UTAH		

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
NOTICE OF INTENT (Submit in Duplicate)		SUBSEQUENT REPORT (Submit Original Form Only)	
<input type="checkbox"/> Abandonment <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recompletion <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> Abandonment * <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input checked="" type="checkbox"/> Other <u>P&A</u>	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off
Approximate Date Work Will Start _____		Date of Work Completion _____	
Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report.			

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

PLUG #	MD	SXS	FORMATION
1	5684'-5303'	250	Akah thru U. Ismay
2	4202'-4302'	96	Hermosa
3	2425'-2525'	96	DeChelly
4	1140'-1240'	96	Chinle
5	457'-557' Base Surf. Csg.	84	
6	25 SXS @ SFC	75	

All plugs were Class 'G' Neat cement. Plugs 6 & 7 contained 2% CaCl₂. All plugs were displaced with mud.

Intent to plug notification to BLM on 11-20-91, at 4:30 P.M., by Jim Myers. Message was issued on the answering machine.

14. I hereby certify that the foregoing is true and correct

Name & Signature

BARRY A. WIELAND

Title OPERATIONS MANAGER

Date 5-27-93

(State Use Only)

SEP 10 1993

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS		6. Lease Designation and Serial Number NOC 8702-1116	
		7. Indian Allottee or Tribe Name Navajo Tribal	
		8. Unit or Communitization Agreement based lease not communit	
		9. Well Name and Number Crane 35H-1	
1. Type of well to which this report applies (check one) <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other (specify) P & A		10. API Well Number 43-037-31626	
2. Name of Operator Chuska Energy Company		11. Field and Pool, or Wildcat Wildcat	
3. Address of Operator 3315 Bloomfield Hwy, Farmington, N.M. 87401		4. Telephone Number 505-326-5525	
5. Location of Well Footage : 2635' FNL, 1150' FEL OO, Sec. T., R., M. : Sec. 35, T41S, R25E		County : San Juan State : UTAH	

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE REPORT OR OPERATION			
NOTICE OF INTENT (Submit in Duplicate)		SUBSEQUENT REPORT (Submit Original Form Only)	
<input type="checkbox"/> Abandonment <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Multiple Completion <input checked="" type="checkbox"/> Other P&A	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recompletion <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> Abandonment <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Other	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off
Approximate Date Work Will Start _____		Date of Work Completion _____	
Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. ** Must be accompanied by a cement verification report.			

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

PLUG#	MD	SXS	FORMATION
1	5684'-5303'	250	Akah thru U. Ismay
2	4202'-4302'	96	Hermosa
3	2425'-2525'	96	DeChelly
4	1140'-1240'	84	Chinle
5	457'-557'	75	
6	Base Surf. Csg. 25 sxs @SFC		

All plugs will be Class 'G' Neat cement. Plugs 6 & 7 will contain 2% CaCl₂. All plugs will be displaced with mud.

14. I hereby certify that the foregoing is true and correct

Name & Signature

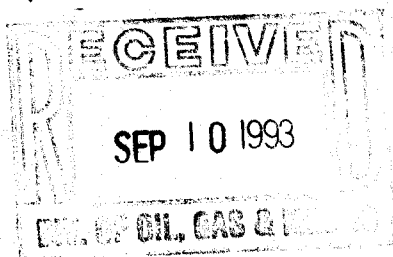
BARRY A. WIELAND

BARRY A. WIELAND

Title OPERATIONS MANAGER

Date 5-27-93

(State Use Only)



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

2nd Sunday
RECEIVED
FEB 03 1992

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.

SUBMIT IN TRIPLICATE

3. Lease Designation and Serial No.

NOG 8702-1116

6. If Indian, Allottee or Tribe Name

Navajo Tribal

7. If Unit or CA, Agreement Designation

8. Well Name and No.

9. API Well No.

43-087-31626

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

San Juan County, UT

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other

2. Name of Operator

Chuska Energy Company

3. Address and Telephone No.

3315 Bloomfield Highway, Farmington, NM 87401 505-326-5525

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**2 635' FNL 1150' FEL
35-41S-25E**

SEP 10 1993

DEPT. OF OIL, GAS & MINES

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other P&A

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ Dispose Water

(Note: Report results of multiple completion on "Completion or Recompletion Report and Log form")

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

PLUG#	MD	SXS	FORMATION
#1	5684'-5303'	250	Akah thru Dismay
#2	4202'-4302'	96	Hermosa
#3	2425'-2525'	96	DeChelly
#4	1140'-1240'	84	Chinle
#5	457'-557'	75	
#6			

Base Surf.Csg. 25 SXS @ SFC

All plugs were Class 'G' Neat cement. Plugs 6&7 contained 2% CaCl2. All plugs were displaced with mud.

Intent to plug notification to BLM on 11-20-91 at 4:30pm by Jim Myers. Message was issued on the answering machine.

Approved as to plugging of the well bore.
Liability under bond is retained until
surface restoration is completed.

14. I hereby certify that the foregoing is true and correct

Signed

Title

Date

(This space for Federal or State Office use)

Approved by

Title

Conditions of approval, if any:

11-22-91

NOV 27 1991

AREA MANAGER

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statement or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

OPERATOR

RECEIVED
BLM
NOV 22 PM 2:51
NATIONAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
FEB 03 1992

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.
NOG 8702-1116
6. If Indian, Allottee or Tribe Name

Navajo Tribal

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Crane 35E-1

9. API Well No.

43-037-31626

10. Field and Pool, or Exploratory Area
Wildcat

11. County or Parish, State

San Juan County, Uta

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other

2. Name of Operator

Chuska Energy Company

3. Address and Telephone No.

3315 Bloomfield Highway, Farmington, NM 87401 505-326-5525

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**2635' FNL 1150' FEL
35-41S-25E**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other P&A
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on a Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

PLUG#	MD	SXS	FORMATION
#1	5684'-5303'	250	Akah thru U. Ismay
#2	4202'-4302'	96	Hermosa
#3	2425'-2525'	96	DeChelly
#4	1140'-1240'	84	Chinle
#5	457'- 557'	75	
#6			

Base Surf. Csg. 75
25 SXS @ SFC

All plugs will be Class 'G' Neat cement. Plugs 6&7 will contain 2% CaCl₂. All plugs will be displaced with mud.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct

Signed

Title

(This space for Federal or State office use)

Approved by

Title

Conditions of approval, if any:

APPROVED

Date

11-22-91

NOV 27 1991

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statement or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

OPERATOR

IN REPLY REFER TO
(019)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA
1235 LA PLATA HIGHWAY
FARMINGTON, NEW MEXICO 87401

Attachment to Notice of

Re: Permanent Abandonment

Intention to Abandon

Well: 35-H Crane

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal Leases."
2. Mark Kelly with the Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 326-6201.
3. Blowout prevention equipment is required.
4. The following modifications to your plugging program are to be made (when applicable):

Office Hours: 7:45 a.m. to 4:30 p.m.

GENERAL REQUIREMENTS FOR

PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES

FARMINGTON RESOURCE AREA

1. Secure prior approval either on a Sundry Notice (Form 3160-5) or verbally from the Fluids Drilling & Production Section at this office before changing the approved plugging program.
2. Plugging equipment used shall have separate mixing and displacement pumps and a calibrated tank to assure proper displacement of plugs. The Operator is responsible for providing all measuring devices needed to assure proper measurement of materials being used.
3. A proper tank or pit will be used to contain all fluids pumped from the well during plugging operations. Unattended pits are to be fenced.
4. All cement plugs are to be placed through tubing (or drillpipe) and shall be a minimum of 100 feet in length with 50% excess inside casing or 100% excess when plug is set in open hole or squeezed into perforations. 15.6#/gal slurry weight is to be used when using class B neat cement or when CaCl_2 is used. Use the recommended slurry weight of other type cements when they are used (Class C, Pozzolan etc.).
5. Any cement plugs placed when well is not full of fluid, or when well may be taking fluid, (i.e. across perfs-unless bridge plug or retainer is used, across bad csg., or fresh water formations) will be tagged (touched) after cement has set to verify proper location.
 - 5a. Testing The first plug below the surface plug shall generally be tested by either tagging the plug with the working pipe string, or pressuring to a minimum pump (surface) pressure of 1000 psig, with no more than a 10 percent drop during a 15-minute period (cased hole only). If the integrity of any other plug is questioned, it must be tested in the same manner. Also, any cement plug which is the only isolating medium for a fresh water interval or a zone containing a valuable mineral deposit should be tested by tagging with the drill string.
6. Mud must be placed between plugs. Plugging mud is to be made up with a minimum of 15 lbs/bbl of sodium bentonite, and a nonfermenting polymer. Minimum consistency of plugging mud must be 9 lbs/gal and with a minimum viscosity of 50 sec/qt. Fresh water is to be utilized for mixing mud.
7. Following the placement of a cement plug, the withdrawal rate for at least the length of the cement plug shall not exceed 30 ft/min, in order to minimize the contamination of the plug.

8. Within 30 days after plugging work is completed, file a Sundry Notice (Subsequent Report of Abandonment, Form 3160-5), in quintuplicate with Area Manager, Bureau of Land Management, 1235 La Plata Highway, Farmington, NM 87401. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. Show date well was plugged.

9. All permanently abandoned wells are to be marked with a regulation marker (4" pipe extending 4' above the ground line) containing the information as specified in 43 CFR 3162.6(d). Unless otherwise approved.

10. After plugging work is completed the surface is to be rehabilitated in accord with instructions from the Fluids Surface Management Section of the Farmington Resource Area Office.

All above are minimum requirements. The period of liability under the bond of record will not be terminated until the lease is inspected and surface work approved.

Please advise this office when the well location is ready for final inspection.

Failure to comply with the above conditions of approval may result in an assessment for noncompliance and/or a Shut-in Order being issued pursuant to 43 CFR 3163.1.

You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to administrative review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDREY NOTICES AND REPORTS ON WELLS

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify) _____		6. Lease Designation and Serial Number NOG 8702-1116
2. Name of Operator Chuska Energy Company		7. Indian Allottee or Tribe Name Navajo Tribal
3. Address of Operator 3315 Bloomfield Hwy, Farmington, N.M. 87401		8. Unit or Communitization Agreement N/A
4. Telephone Number 505-326-5525		9. Well Name and Number Crane 35 H
5. Location of Well Footage : 2635' FNL 1150' FEL QQ, Sec. T., R., M. : Sec. 35, T41S, R25E		10. API Well Number 43-037-31626
County : San Juan State : UTAH		11. Field and Pool, or Wildcat Wildcat

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	
NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandonment <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____	<input type="checkbox"/> Abandonment <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input checked="" type="checkbox"/> Other <u>Spud/Surface Casing</u>
<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recompletion <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off
Approximate Date Work Will Start _____	Date of Work Completion _____
Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. ** Must be accompanied by a cement verification report.	

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

MIRU Aztec Rig #222. Spud 12 1/4" hole at 9:00 P.M., 11-4-91. Drill to 510'. RU and ran 12 jts 9 5/8", 36#, K-55 ST&C Casing. Set at 507'. Cement with 265 sxs Class 'G' and 2% CaCl₂ and 1/4#sk Celloflake. Good circulation of cement to surface. Notification of spud by Jim Myers to BLM, Mark Kelley, @ 7:45 A.M. on 11-4-91.

14. I hereby certify that the foregoing is true and correct

Name & Signature

(State Use Only)

BARRY A. WIELAND Title OPERATIONS MANAGER Date 5-27-93

RECEIVED
NOV 27 1991

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
Chuska Energy

3. Address and Telephone No.
3315 Bloomfield Highway, Farmington, NM 87401 505-326-5525

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Section 35-T41S-R25E
2635' FNL 1150' FEL

FORM APPROVED
Budget Bureau No. 3004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.

NOG 8702-1116

6. If Indian, Alutian or Tribe Name

Navajo Tribal

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Crane 35H

9. API Well No.

43-037-31626

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

San Juan County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Spud/Surface Casing
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

MIRU Aztec Rig #222. Spud 12 1/4" hole at 9:00 am, 11-4-91. Drill to 510'. RU & ran 12 jts 9 5/8", 36#, K-55 ST&C Casing. Set at 507' Cement w/265 sxs class 'G' & 2% CaCl2 & 1/4#/Sk celloflake. Good circulation of cement to surface. Notification of spud by Jim Myers, to BLM, Mark Kelley @ 7:45am on 11-4-91.

ACCEPTED FOR RECORD

NOV 26 1991

FARMINGTON RESOURCE AREA

BY G. L. Myers

019 FARMINGTON, N.M.

91 NOV 22 PM 2:53

RECEIVED
BLM

14. I hereby certify that the foregoing is true and correct

Signed James A. Chamberlain
(This space for Federal or State office use)

Title Production Eng.

Date 11-19-91

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

OPERATOR



CHUSKA ENERGY COMPANY

3315 BLOOMFIELD HIGHWAY • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525

September 7, 1993

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

RECEIVED

SEP 10 1993

DIVISION OF
OIL, GAS & MINING

Attn: Mr. R.J. Firth
Associate Director

RE: Utah Division of Oil, Gas and Mining's
Reporting Requirements

Dear Mr. Firth:

Enclosed please find the following reports and well logs run on wells drilled by Chuska Energy Company during the period January 1, 1992 forward. The Production Reports were filed in June under a separate cover letter by our home office, Harken Energy Company, out of Dallas. We have received conflicting statements as to whether or not the data was received. Therefore, a second set of Production reports from January 1992 forward are also forwarded to your office under this cover letter.

APD(S), SUNDRY NOTICES AND ENTITY ACTION FORMS

Barnes 18M
Barnes 18M(N)
Brown Hogan 1A-2
Burro 33I
Clay Hill 33-0
Crane 35H
Copperhead 15E
D.C. Anticline 35K
Heron 35H
Heron 35H(A)
Jack 31G
Kokopelli 29I
Lark 19B
Lark 19B(G)
Lighting Rock 2E
Lizard 4M
Lone Mountain Creek 12F-1

RECEIVED

SEP 10 1993

DIVISION OF
OIL, GAS & MINING

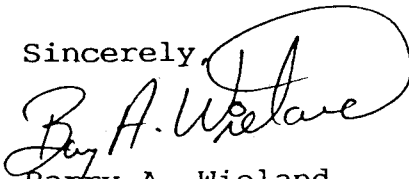
Monument 17E-2
Mule 31K
Mule 31K(N)
Mule 31M
NW Cajon 11-1
North Heron 35C
Northwest Cajon 6E
North Cajon Mesa 5E-1
North Ruins 16K
Red Lake 25B
Tower 1F
Box Canyon 5F
Shalene 11K
South Triangle 7I
West Clay Hill 5B(A)

LOGS

Barnes 18M(N)
Brown Hogan 1A-2
Burro 33I
Clay Hill 33-0
Copperhead 15E
D.C. Anticline 35K
Heron 35H
Jack 31G
Kokopelli 29I
Lark 19B(G)
Lighting Rock 2E
Lone Mountain Creek 12F-1
Mule 31K(N)
Mule 31M
North Cajon Mesa 5E-1
North Heron 35C
N.W. Cajon 11-1
N.W. Cajon 6E
Red Lake 25B
West Clay Hill 5B(A)

If you should have any further questions, please don't
hesitate to contact me, or Nell Lindenmeyer, at 505-326-
5525.

Sincerely,



Barry A. Wieland
Operations Manager

Enclosures
cc: Well File

ENTITY ACTION FORM - FORM 6

OPERATOR Chuska Energy Company

OPERATOR ACCT. NO. N 9290

ADDRESS 3315 Bloomfield Highway

Farmington, N.M. 87401

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	11348	→	43-037-31626	Crane 35H	SENE	35	41S	25E	San Juan	11-4-91	
WELL 1 COMMENTS: Spudded 9:00 P.M., 11-4-91. Drilled to 510'. Ran and cemented surface casing at 507'/ <i>Entity previously added 2-26-92. Lee</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

Signature _____

Title _____

Date _____

Phone No. () _____

